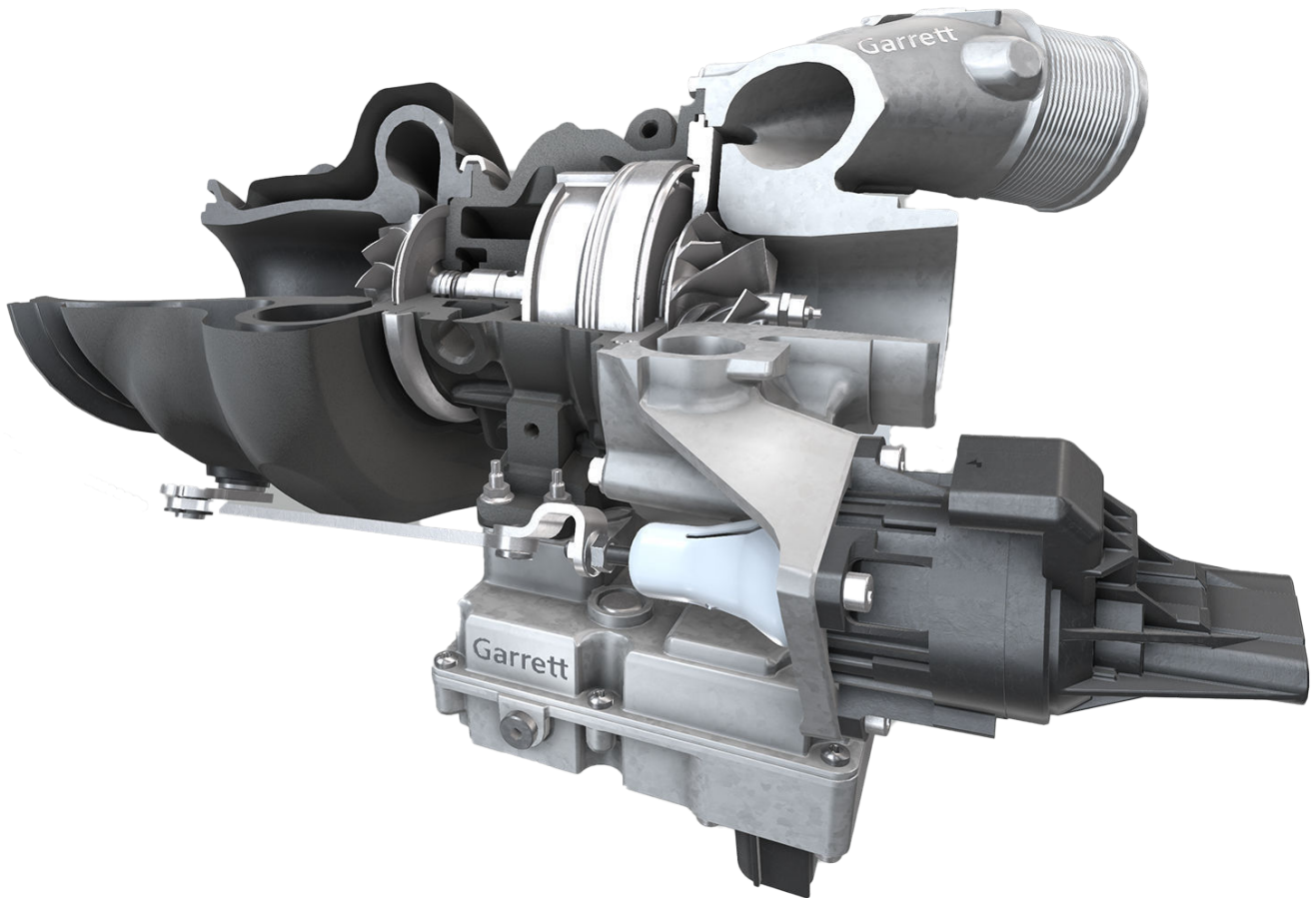


Garrett
ADVANCING MOTION



ELECTRIC & HYBRID

Electric Turbo (48V & 400V)

Integrated solution for increased performance in a compact package.

INDUSTRY BENCHMARK

FEATURES	INDUSTRY STANDARD:	GARRETT ELECTRIC TURBO
Aerodynamics	Baseline	Full speed aerodynamics (225krpm)
Electric Motor & Inverter	No electric assistance	Up to 20kW motoring - 10kW recuperation
Package	1 Turbo	1 Turbo with integrated controller

GARRETT TECHNOLOGY BENEFITS

APPLICATIONS	KEY NEEDS	BENEFITS	INDUSTRY STANDARD	GARRETT ELECTRIC TURBO
Mild & Full Hybrid (Gasoline & Diesel Vehicles)	Performance	Power Density	Baseline (w/scavenging)	+25% (full λ 1)
		Torque Density	Baseline (w/scavenging)	+25% (no scavenging)
	Fuel Economy	CO2 reduction	Baseline	Up to 5% w/energy recuperation
	Emissions	Catalyst Light-Off	Baseline	Faster Light-Off
		Diesel Nox/ Soot	Baseline	-15%
	Energy Management	Energy Optimization	Baseline	Reduced system cost & complexity